RESTORATION

ACTION	LEAD	CONTRIB	COLLAB	WHAT WILL YOU DO / DELIVER?	STATUS 04-19-07	KEY NEXT STEPS
R-1: Streamline coastal restoration and conservation efforts						
36 Month oucomes: • Establish a Gulf of Mexico Alliance Regional Restoration Coordination Team. • Through the Restoration Coordination Team, hold a series of meetings between federal agencies and Gulf States to review existing regulatory, funding, and policy frameworks, and identify mechanisms that help facilitate or impede wetland conservation and restoration efforts. • Hold a workshop on importance of freshwater inflows. • Fund conservation and restoration projects more efficiently through extension of the Corporate Wetlands Restoration Partnership and coordination of federal grant cycles. • Develop a Gulf Regional Sediment Management Master Plan to enable more effective use of dredged material.						
Action Blueprint:						
1. Establish a Gulf of Mexico Alliance Regional Restoration Coordination Team, including state, local, and federal representation.	LA	AL, MS, FL, TX, MX, PR, VI	NOAA, EPA-GMP, USACE, USGS, USFWS, TNC	LA will coordinate with states, federal agencies, and local partners to form the Regional Restoration Coordination Team. Team members must be willing and able to attend multiple meetings. The mission of the team is implementation of the wetland and coastal conservation and restoration actions in the GAP.	The RRCT consists of at least two representatives (one primary and one alternate) from each of the five Gulf States and at least one representative from each collaborating federal agency. Government and NGO representatives from Mexico and the US Caribbean territories are included. Other interested NGO representatives have also participated or been invited to participate. The initial team was established at a workshop in Biloxi, MS in June 2006, and members will be added as needed. The latest team member list with affiliations can be found at: http://www2.nos.noaa.gov/gomex/restoration/rrct_feb07.pdf	Other potential collaborators who have been or will be invited to participate on the RRCT include the NEPs located in the Gulf region, the NGO Restore America's Estuaries and its member organizations Galveston Bay Foundation, Tampa Bay Watch, and Coalition to Restore Coastal Louisiana, counties and parishes officials (in states receiving CIAP funds), state geodetic advisors and emergency management officials, and additional members from the private and non-profit sectors - business & industry, environmental & community groups, etc.
2. Host workshops of the Gulf of Mexico Alliance Regional Restoration Coordination Team to determine Gulf-wide issues, inventory current restoration successes, and identify priority sites for restoration.	GMF	LA, AL, MS, TX, FL	NOAA, EPA-GMP, USACE, USGS, USFWS, MMS, USDA-NRCS, TNC, MX, PR, VI	The Gulf of Mexico Foundation has committed to supporting this series of workshops, with funding and technical support provided by NOAA and EPA-GMP. GMF funding suports limited invitational travel to ensure attendance of appropriate Team members, and documentation, compilation, and dissemination of workshop outcomes. Each Gulf state will coordinate with the GMF to host one in a series of "round-robin" workshops and to participate in and assist with subsequent workshops. The workshops are intended to allow RRCT members, workshop presenters, and other attendees to exchange information and to take the first steps toward the creation of the inventory of state-specific and shared priorities, best management practices, lessons learned, and regulatory & funding frameworks that facilitate or impede conservation ar restoration efforts throughout the Gulf region. Other collaborating federal agency representatives will assist in planning and conducting the workshops and will participate to hear state priority needs, share experiences, and suggest restoration opportunities to which they can contibute or in which they can participate.	The RRCT first met in June 2006 in Biloxi, MS. At that workshop, it was agreed that a series of quarterly state-led workshops would begin in October 2006. That initia meeting had international participation, with a number of representatives from Mexico (federal agencies and NGOs) in attendance. Developed or developing state database inventories of restoration projects were to be provided to NOAA by early August 2006 (team members were also to provide habitat types/restoration needs to Becky Allee of NOAA for consideration by the Hab ID team). Louisiana hosted the first in the series of state-le workshops in New Orleans, November 2-3, 2006. Experts from Louisiana spoke on the science and other issues related to wetland restoration in their state. A second workshop was hosted by the states of AL & MS on March 6-8, 2007, in Spanish Fort, Alabama. That workshop continued the exercise of identifying best practices and lessons learned in AL and MS. USACE "MSCIP" study in Mississippi was also presented.	Each host state will refine the template agenda agreed upon by the RRCT, adjusting it to the needs and goals of the state. Workshops hosted by TX/MX & FL/PR/VI are scheduled for the weeks of May 21 & Aug. 20, respectively. Following the round-robin series, one or more additional workshops will be facilitated by the GMF, EPA-GMP, and NOAA to synthesize the information presented in the round-robin workshops, the GRSMMP, the freshwater inflow workshop, and R-2 sub-team meetings, and to develop a strategy to advance the team's recommendations. This is a cross-cutting action item affecting other priority issues. Representatives from each of the other priority issue teams may contribute to state-led workshop & development of priorities.

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3. Fund and host a Gulf of Mexico interstate workshop on the importance of freshwater inflows to maintaining estuarine health including wetlands.	TX	FL, EPA-GMP	AL, MS, LA, MX, PR, VI, NOAA, USACE, NSF, USGS, USFWS, MMS, USDA-NRCS	TX has committed to work with partners to host a freshwater in-flow workshop in 2008, with funding support from the EPA-GMP. (Lead: Robin Reichers, TPWD). USGS and USFWS will assist in planning and hosting the workshop. EPA & NOAA will contribute resource assistance and administrative support. NOAA will consult with state of Texas CZM program (which has funded considerable research on this issue) to ensure that they can participate in this workshop (Lead: NOS OCRM in consultation with NMFS Science Centers, NCCOS and NERRS). USACE staff will participate in workshops. NSF will send representation to workshop. MS, LA, and AL will participate and provide in-kind support.	TPWD has established a committee to plan the workshop. The committee will develop the workshop agenda, and needs input from the other Gulf states and internationally. The primary issues identified to date are maintaining adequate freshwater inflows to estuaries for maintenance of ecosystem health, user conflicts, re-use of freshwater resources, and sediment and nutrient load in freshwater resources.	The states will dedicate one of the RRCT's conference calls to discussion of issues associated with freshwater inflow and further development of their plan to address these issues Each state will identify appropriate individuals to participate in a sub-committee of the RRCT to provide input to TPWD and to develop goals for the workshop and products to be generated by the workshop. NOAA will provide data on outcomes o a series of workshops on freshwater inflows and effects on Gulf region biological resources, hosted by NOAA staff in the late 1990s.
4. Using the Gulf of Mexico Alliance Regional Restoration Coordination Team, resolve federal/state environmental compliance issues that affect habitat restoration and conservation efforts, such as essential fish habitat (EFH), Endangered Species Act requirements, and Clean Water Act (e.g., Total Maximum Daily Loads).	GMF	LA, AL, MS, TX, FL	NOAA, EPA-GMP, USACE, USGS, USFWS, MMS, USDA-NRCS, NPS, TNC, MX, PR, VI	EPA will provide policy and technical support for the Total Maximum Daily Load (TMDL) component of this action. USACE will participate in meeting discussions to help resolve conflicts (suggest using applicable existing multi-agency regional forums when possible). NOAA will participate in discussions with regard to EFH and other fisheries issues. (Lead: NMFS HCD & PRD) USFWS and NPS will work cooperatively with other Federal agencies to indentify and expedite the resolution of environmental compliance issues that affect wetlands restoration projects. LA, MS will provide in-kind support.	Specific issues and recommendations are included in June 2005 Restoration White Paper, Alliance Communit Workshops Summary Report, RRCT conference call notes, & RRCT round-robin workshop notes. These are summarized in the attached document "R1-4, R1-5, & R1-6 Issues & Recommendations."	GMF is circulating a questionnaire to clearly identify RRCT members' concerns & recommendations related to this action item. Items currently identified or identified through the questionnaire will be discussed in detail during the "Implementing the GAP" portion of the agenda of one of the remaining RRCT workshops (July or August 2007) and refinements will be incorporated into the Issues & Recommendations. Issues & Recommendations Document should be converte to spredsheet or database format for easier analysis of relationships between actions, issues a recommendations (i.e., several overlap). Specific examples of lessons learned may improve the recommendations, including review of Everglades Restoration lessons learned report and outcomes of MMS workshop on regulatory processes. Private industry community dealing with restoratio issues should also be consulted for input, e.g. development community, oil industry, and others. Collaborate with NGOs who have developed solutions to restoration roadblocks. Recommendations should be separated into two bins: one set common to all states, and another se
5. Devise a strategy to streamline certain federal permitting requirements for wetland restoration.	GMF	LA, AL, MS, TX, FL	NOAA, EPA-GMP, USACE, USGS, USFWS, MMS, USDA-NRCS, NPS, TNC, MX, PR, VI	USACE will participate in meetings with the states to clarify permitting requirement issues and develop a strategy for addressing them. Level of effort will be funding dependent. EPA will provide policy and technical support to help ensure consistency across regulations, relative to EPA's regulatory programs, is incorporated in the strategy developed from this action. USFWS and NPS will collaborate with other Federal agencies in developing a strategy to streamline permitting requirements for Coastal Wetlands Restoration Grants and other wetlands restoration programs that it administers. MS, LA will provide in-kind support.	Specific issues and recommendations are included in June 2005 Restoration White Paper, Alliance Communit Workshops Summary Report, RRCT conference call notes, & RRCT round-robin workshop notes. These are summarized in the attached document "R1-4, R1-5, & R1-6 Issues & Recommendations."	GMF is circulating a questionnaire to clearly identify RRCT members' concerns & recommendations related to this action item. Items currently identified or identified through the questionnaire will be discussed in detail during the "Implementing the GAP" portion of the agenda of one of the remaining RRCT workshops (July or August 2007) and refinements will be incorporated into the Issues & Recommendations. Issues & Recommendations Document should be converte to spredsheet or database format for easier analysis of relationships between actions, issues a recommendations (i.e., several overlap). Specific examples of lessons learned may improve the recommendations, including review of Everglades Restoration lessons learned report and outcomes of MMS workshop on regulatory processes. Private industry community dealing with restoratio issues should also be consulted for input, e.g. development community, oil industry, and others. Collaborate with NGOs who have developed solutions to restoration roadblocks. Recommendations should be separated into two bins: one set common to all states, and another se

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6. Identify administrative and legal processes i granting agencies that may either facilitate or impede wetland restoration and conservation project planning and implementation.	GMF	LA, AL, MS, TX, FL	NOAA, EPA-GMP, USACE, USGS, USFWS, MMS, USDA-NRCS, NPS, TNC, MX, PR, VI	USFWS will work with the States to identify administrative and legal processes impeding wetland restoration project planning and implementation. MMS will direct Coastal Impact Assistance Program (CIAP) funds to projects such as coastal restoration and protection, mitigation of damage to wildlife, or mitigation of OCS activities through onshore infrastructure projects. EPA will actively participate, with our key granting partners (i.e., NOAA, USDA, USFWS, MMS), in the process review outlined in this action. NOAA will contribute information on CZM program, Restoration Center, and other relevant NOAA programs' funding policies, processes, and schedules to assist in this effort. USACE is not a granting agency, but can collaborate -- consider the relationship of Federal grants to USACE restoration authorities and the potential for the states to use these funds as a cost-share match. Also, th work done using grants may have Section 404 Regulatory Program requirements. MS, LA will provide in-kind support.	Specific issues and recommendations are included in June 2005 Restoration White Paper, Alliance Communit Workshops Summary Report, RRCT conference call notes, & RRCT round-robin workshop notes. These are summarized in the attached document "R1-4, R1-5, & R1-6 Issues & Recommendations."	GMF is circulating a questionnaire to clearly identify RRCT members' concerns & recommendations related to this action item. Items currently identified or identified through the questionnaire will be discussed in detail during the "Implementing the GAP" portion of the agenda of the RRCT workshop in TX the week of May 21, and refinements will be incorporated into the Issues & Recommendations. Issues & Recommendations Document should be converte to spredsheet or database format for easier analysis of relationships between actions, issues & recommendations (i.e., several overlap). Specific examples of lessons learned may improve the recommendations, including review of Everglades Restoration lessons learned report and outcomes of MMS workshop on regulatory processes. Private industry community dealing with restoratio issues should also be consulted for input, e.g. development community, oil industry, and others. Collaborate with NGOs who have developed solutions to restoration roadblocks. Recommendations should be separated into two bins: one set common to all states, and another se
7. Further develop public-private partnerships, such as the Corporate Wetlands Restoration Partnership, and incentives that support landowner conservation to increase funding opportunities for restoration. Ensure state and local governments are well-informed about partnership and incentive programs.	USFWS, EPA	NOAA	Louisiana, Mississippi, Coastal America, USACE	USFWS will assist the States in integrating the use of grant and partnership programs (e.g., Coastal Wetlands Conservation Grant Program, Coastal America Program, Partners for Fish and Wildlife Program, National Fish Habitat Initiative, Southeast Aquatic Resources Partnership). EPA, as co-lead of the Gulf of Mexico Regional Implementation Team of Coastal America, will work directly with the Gulf of Mexico Program's Business Council in an effort to advance the implementation of the Corporate Wetlands Restoration Partnership toward the goal of establishing operational chapters in all 5 Gulf States within 36 months, as well as fostering other programs to rebuild the integrity of the ecosystems in the Gulf of Mexico basin to sustain healthy aquatic life and for human enjoyment. The NOAA Restoration Center will seek to strengthen its current partnerships with private sector organizations active in coastal habitat restoration in the Gulf of Mexico region (such as the Gu of Mexico Foundation, National Fish and Wildlife Foundation, and The Nature Conservancy), as well as reaching out to engage other organizati	At the June 2006 Biloxi meeting, the state leads agreed that the team structure should represent all appropriate private sector partners. The latest team member list with affiliations can be found at: http://www2.nos.noaa.gov/gomex/restoration/rrct_feb07.p df	
8. Develop a Gulf Regional Sediment Management Master Plan to enable more effective use of dredged material, such as sand, to protect and restore important and vulnerable resources and habitats. Involve state, local, and federal representatives in the planning process.	USACE, USGS	LA, AL, MS, TX, FL	NOAA, EPA-GMP, USFWS, MMS, USDA-NRCS, NPS, TNC, MX, PR, VI	USACE: The need for more strategic indentification of sediment needs and sediment sources has been identified as critical to increasing the safety of Gulf communities and for implementing ecosystem restoration. Work on this RSMMP has be initiated though the GOMEXRSMI, to enhance ongoing coordination and initiate scoping to develop the master plan. Additional funding is needed to effectively proceed with masterplan development across the region. Involvement of other federal and state agencies, as well as other stakeholders will be important in accomplishing this action. USGS will assist in developing a comprehensive plan to identify and use available dredged materials, sand and gravel resources. USFWS will provide technical advice in the development of a comprehensicve plan to identify and use available dredged materials such as sand and gravel resources. EPA will provide ongoing technical suppo to the action lead(s) by way of its representation on the Regional Sedime Management Councils. NOAA will ensure that the Gulf State coastal management programs are fully integrated into this effort and that curren	A sub-team of the RRCT, led by the USACE, has been working to develop the plan (structure, creation of tools t impact regional sediment management).	USACE has circulated a questionnaire for input from the states in developing the GRSMMP, and responses will be incorprated into the developing plan. The recommendations to be included in the RSMMP relate to other action items and areas of overlap, where recommendations reinforce each other, should be identified & highlighted.

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9. Provide current statistics on population growth to help States determine conservation actions.	NOAA	LA, AL, MS, TX, FL	USACE, USGS, EPA-GMP, USFWS, MMS, USDA-NRCS, NPS, TNC, MX, PR, VI	Provide NOAA Coastal Population Trends Report and STICS website overview to Alliance (Lead: NOS SP, NOAA CSC, NOEP).	At the November Louisiana workshop, NOAA SPO provided RRCT team members with their report on "Population Trends Along the Coastal United States: 1980-2008."	Information gathered or generated pursuant to this action item will provide context of human environment for information provided by Hab ID team. It may be appropriate to incorporate these data into the PHINS system, as well as the Legislative Atlas developed by the NOAA CSC. NOAA SPO will provide a presentation on how the STICS website can be used to provide info on the Gulf region. NOAA Coastal Services Center is working with National Ocean Economics Program (NOEP) to determine the availability of specialized reports on the ocean and coastal economies of Florida for distribution to Alliance state leads to determine the value of such products to the Alliance. Coastal Services Center will also provide a poster that uses NOEP data to describe “The Economic Footprint of Hurricane Katrina.”

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R-2: Increase the safety of Gulf communities by better understanding the risks of localized sea level rise, storm surge, and subsidence						
36-Month Outcome: • Develop a prototype decision-support tool that allows Gulf resource managers to integrate storm surge, sea level rise, and subsidence information for at least one pilot area on the Gulf Coast. • Develop a pilot Community Resiliency Index for Gulf coastal communities.						
Action Blueprint:						
1. Enhance the coast-wide network of elevation benchmarks, including the Continuously Operating Reference System (CORS), to deliver subsidence rates accurate to 1 millimeter per year.	Louisiana Spatial Reference Center at LSU	NOAA	Florida, Mississippi, USACE, EPA	NOAA will provide funding to the Louisiana Spatial Reference Center at LSU to enhance the coastwide network of elevation benchmarks, includir the CORS (Lead: NOS NGS) Several of the Gulf USACE districts may be able to contribute to this effort, as relevant to Corps studies and projects. EPA will collaborate with the action lead(s) to help integrate the Agency's data and information resources into the overall design of this action. MS will provide in-kind support. FL NERR sites will continue active participation in the CORS. The Louisiana Spatial Reference Center at LSU will coordinate with NOA on this action.	National Geodetic Survey is installing a new Continuous Operating Reference Station (CORS) at the Nancy Foster Florida Keys Environmental Center. In addition to supplying precise real-time positioning data, the station will be co-located with a tide gage to provide crucial data for analyzing local and world-wide sea level trends. NOAA manages the nationwide CORS network of over 1,000 stations which support three-dimentional positioning activities. For more information, contact Richard Snay. * NGS -- The Height Modernization project for South Louisiana is a partnership between FEMA, the Louisiana Spatial Reference Center (LSRC) at LSU, and NOAA's National Geodetic Survey (NGS).	
2. Obtain information on projected relative sea level rise, subsidence, and storm vulnerability to help prioritize conservation projects, including restoration, enhancement, and acquisition.	USGS	NOAA, USACE	Louisiana, Mississippi, USFWS, EPA	USGS will provide relevant information, technical advice an recommendations. NOAA will provide web based data on relative sea level trends and analysis tools for Gulf Coast National Water Level Observation Network Stations with over 25 years of data. NOAA will also provide frequency ar duration of inundation analyses on existing NWLON stations. (Lead: NOS CO-OPS, EGT Habitat Program) USACE (New Orleans District) will be collecting this data and can share it; other districts may also be able to contribute information. USFWS will make available data from the National Wetlands Inventory and contribute technical advice and recommendations to this effort. EPA will collaborate with the action lead(s) to help integrate the Agency's data and information resources into the overall design of this action. Additionally, EPA's representative to the CWPPRA Task Force will subm a proposal through the program's annual solicitation process to potentially	At the June 2006 meeting in Biloxi, the restoration team discussed that this action could be an early success for the team. USGS and NOAA have done some work on this, and that information should be included in the State meetings to develop a conservation-oriented hazards assessment. Texas already has an extensive coast-wide network of monitoring stations to study sea level rise. This will probably be enhanced through a CIAP initiative involving the Blucher Institute at Texas A&M University and TCOON. Monitoring stations have been installed for 10 years. That is not long enough, so we need to be sure that those stations stay there or are reinstated.	
3. Develop and apply ecosystem models to forecast the habitat structure and succession following hurricane disturbance and changes in ecological functions and services that impact vital socioeconomic aspects of coastal systems.	USGS	USACE	USFWS, EPA, NSF, Louisiana, Mississippi	USGS will provide technical advice and oversight on the development and application of ecosystem models. The USACE Science and Technology Workgroup for the LCA can contribute to this, and other districts may also be able to contribute. NSF could fund model development, but the agency's ability to support proposed research and studies is dependent on the submission of proposals and peer review of those proposals. USFWS will provide technical advice in the development of ecosystems models. EPA will provide collaborative support to the action lead(s) by way of providing strategic data and information access and support relative to EPA monitoring programs and that have the potential to apply value to this action. MS, LA will provide in-kind support.	USGS received funding in 4th Katrina supplemental to look at landscape impacts. Research looking at impacts on plant communities and avian populations is underway, and should be completed within the next 12 months. A second study with the USACE will look at how changes from the storm might impact future restoration projects, and this work should be complete by the end of FY08. * NOAA critical data sets for ecosystem assessments post-Katrina related to ecosystem modeling have been inventoried. Post-Katrina Response and Recovery projects issued- MS Barrier Islands Sea Grass; Lake Pontchartrain water quality Chl, heavy metal, suspended sediments; Grand Bay NERR water quality. Data sets wi be used for ecosystem modeling efforts.	
4. Develop a management tool that enhances resiliency of Gulf Coast communities to storm surge and flooding through improved data, models, tools, and methodologies for at least one pilot study area in the Gulf region, including the Pensacola, Florida, area.	NOAA	Florida, USACE	Louisiana	NOAA will develop a model and decision support tools for more accurate storm surge and coastal flood forecasting building on enhanced observations, topographic and bathymetric data collection, vertical datum transformation, and ecological and societal analysis. (Lead NOAA CSC) FL will help coordinate the development of an improved storm surge moc for the Pensacola, Florida, area. USACE and USGS are collaborating on developing coastal vulnerability maps based on lidar data collected through the USACE National Coastal Mapping Program. These standarized maps and LIDAR data are available to support this action. LA will provide in-kind support.	Doug Wiley at CSC is the new NOAA point of contac for the item NOAA is still on track to deliver a model and decision support tools for more accurate storm surge and coastal flood forecasting in FY07. A new water level gage has been purchased and will be added to the Weeks Bay NERR. New high resolution topographic and bathymetri data has been collected for the project study area (Mobil Bay to Walton County, FL). Vertical transformation tools for the study area will be available in FY07. Ecological and societal analysis will be conducted starting in FY07 and continuing into FY08. * Topo data has been compiled, and transformed into common vertical datum and sent to storm surge modelers for use in ADCIRC and SLOSH models.	

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5. Develop an inventory of existing NOAA storm surge and other storm related products and services that includes data and observations, models, tools, and outreach and education activities over different time scales.	NOAA		Louisiana	NOAA will provide staff to develop an on-line searchable database of NOAA storm surge and other storm related products and services that will be consistent with existing NOAA Coastal Storm Program products and services. (Lead: NOAA CSC) LA will provide in-kind support.	The NOAA Storm Surge Partnership Project is working to compile an inventory focused on the gulf Region. The Coastal Storm Center searchable database (http://www.csc.noaa.gov/csp) and resource guide (http://www.csc.noaa.gov/storm_info) will be used as models for this process. Storm surge and other storm related products and services are being added to an	
6. Inventory and integrate topographic and bathymetric data for improved storm surge and inundation modeling for one or more pilot areas in the Gulf region.	NOAA	USGS, USACE	Lousiana	NOAA will develop an inventory of the topographic and bathymetric data available in the Gulf of Mexico suitable for use in storm surge and inundation modeling, evaluate the techniques of developing a integrated seamless topo/bathy surface, and develop an integrated topo/bathy product for a pilot area in Florida. (Lead: NOAA CSC) USACE can provide LIDAR and coastal mapping data to NOAA under USACE National Coastal Mapping Program. LA will provide in-kind support.	Topo/bathy Inventory - Phase 2: organizing data into unified geospatial display is complete. Phase 3: attributing each dataset with dataset characteristics (dat of collection, sensor, resolution, datum, etc) is in progress. Currently developing a delivery mechanism for inventory. Eval. techniques - All background research has been done and appropriate contacts have been made. Techniques report is in draft form. Pilot area in Florida - Data has been collected and has been converted to a common format. Waiting for a beta version of VDatum to be released so topography can be integrated with bathymetry with the greatest accuracy. * Topo/bathy Inventory - Inventory of high-res. topographic and bathymetric data in the Gulf of Mexico has been completed. By the end of FY07 Q2, the inventory will be available to the mgmt community and the public via static map book * Data Integration Techniques Report - The evaluation of techniques and tools for developing an integrated	* Topo/bath Inventory- future activities include release of a GIS compatible file for download from the Web. Detailing each dataset with dataset characteristics (date of collection, sensor, resolution, datum, etc) is complete, and the next step will be packaging the geospatial files for delivery
7. Determine how to enhance coastal communities resilience to disaster and begin to identify a methodology for the development of a resilliency index.	NOAA		Louisiana, University of Colorado Natural Hazards Center, USGS, FEMA	NOAA will host a session at the 2006 Annual Hazards Research and Applications Workshop that defines disaster resilient communities and develops a plan for a resiliency index for the Gulf of Mexico Coast. (Lead: NOAA CSC) LA will provide in-kind support.	communities at the 2006 Annual Hazards Research and Applications Workshop in Boulder, CO in July of 2006. In addition, NOAA held a special Salon with national experts on the CRI subject titled "Toward a Community Resilience Index – Exploring the Conceptual Framework," in Boulder, Colorado, on July 7, 2006. * On December 7, 2006, NOAA Coastal Services Center and the American Meteorological Society co-hosted a second Community Resilience Salon. The purpose of th salon was to facilitate thoughtful discussion among experts from the private sector, federal agencies, and non-governmental organizations on factors that contribute to community resilience. Attendees included individuals involved in a wide range of industries, from transportation, oil and gas, tourism, and finance, to	* In May a third salon will be co-hosted by the Association of State Floodplain Managers and will focus on local elected officials and on-the-ground resource managers, floodplain managers, emergency managers, and planners.
8. Coordinate, as appropriate, unified five Gulf State support for the collection of comprehensive shallow water bathymetry data (e.g., LIDAR) to support improved storm surge modeling and more accurate emergency evacuation assessments.	Identification of Lead still pending	USACE	Lousiana	USACE can contribute topo / bathy data, collected once every 4 years around the US, including Gulf of Mexico, through the National Coastal Mapping Program. LA will provide in-kind support.		